ENT BOOK

| Dimensions th | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|
| | | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496736

Premeasurements:

Serial No. First - final bill:

Name of Work Providing UGD line ~~From~~ in Ward no. 07 To. byatarayanapura.

Name of Contractor of nature of Agency Sri. B. Girish.

Date of commencement of work

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Est cost:- | Rs. 15.00 lakhs. | | | | | |
| | Job code:- | 007-19-000025 | | | | | |
| | Head of account: | P1771 | | | | | |
| | A.S. No:- | AS/EE/(BTP)/155/18-19; dt: 09.01.19 | | | | | |
| | T.S. No:- | TS/EE(BTP)/92/18-19; dt: 01.02.19 | | | | | |
| | T.S. No (Modified):- | MTS/CE(YNK)/16/19-20; dt: 02.08.19 | | | | | |
| | Work order no:- | No. EE/BTP/001/09/19-20; dt: 04.05.19 | | | | | |
| | Approved tender price:- | 1267454.96 | | | | | |

# MEASUREMENT BOOK

MAIN-BILL:-

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item No.01:- Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, cement concrete, wood works, steel works, including TOP and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material., | | | | | | |
| | Qty vide page no. 496736 → | | | 13.50 | cum | | |
| | At the rate of Rs. 520.00 → | | | | | | 7020.00 |
| | Item No.02:- cutting road surfaces for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., | | | | | | |

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Num |
|---|---|---|
| 1 | 2 | 3 |
| | Qty vide page no. 49 | |
| | Qty upto 125% → 35 | |
| | Qty above 125% → | |
| | Item No.03:- Excavating for mechanical / manual mea providing barricading, etc, in all kinds of soil m | |

T BOOK

| nsions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| tures like culverts, bridges, rs comprising of masonry, l work, including TOP and sorting the dismantled material., | | | |
| 13.50 cum | | | 7020.00 |
| for pipeline trenches and as directed including etc., | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496743

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Qty vide page no. 496737 → 53.73 cum | | | | | | |
| | Qty upto 125% → 35.43 cum @ 788.00 → | | | | | | 27918.84 |
| | Qty above 125% → 18.30 cum @ 788.00 → | | | | | | 14420.40 |
| | Item No. 03:- Excavating for pipe line trenches of required width by mechanical / manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc, in all kinds of soil mixed with boulders of 30 cms size etc., | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Qty vide page no 496738 → | | 407.88 | | 394.65 | | |
| | Qty upto 125% → | 319.50 | @ 147.0 → | | | | 48966.50 |
| | Qty above 125% → | 88.38 | @ 147.0 → | | | 11047.00 | 12991.86 |
| | | 75.15 | | | | | |
| | Item No.04:- Supplying, lowering, laying, jointing, testing and commissioning of glazed stone ware pipes of following dia, with latest amendments, including conveying to work site caulking with hemp dipped in tar and jointing with CM 1:1.5 using OPC, perfect linking and curing for 10 days & testing with water etc, with all lead, lift and as per technical specifications. | | | | | | |

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Nu |
|---|---|---|
| 1 | 2 | |
| | Qty vide page no. 496 | |
| | Qty upto 125% → | 193 |
| | Qty above 125% → | 55 |
| | Item. No.05:- labour char pipes of 0.6m length and including caulking with with water etc., complete., | |

BOOK

| sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| 1·88 | 394.65 | | |
| | | | 48966·50 |
| ·0 → | | | |
| ·0 → | | 11047.00 | 12991·86 |
| g, jointing, testing and | | | |
| pipes of following dia, | | | |
| conveying to work site | | | |
| nd jointing with CM 1:1.5 | | | |
| ng for 10 days & testing | | | |
| and as per | | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B**

496744

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Qty vide page no. 496738 → | | | 249·0 | | | |
| | Qty upto 125% → | 193·75 | @ 462·0 → | | | | 89512·50 |
| | Qty above 125% → | 55·25 | @ 462·0 → | | | | 25525·50 |
| | Item. No. 05:- labour charges for laying and jointing glazed stones ware pipes of 0·6m length and of specified dia of tested quality conforming including caulking with hemp yarn, jointing with CM 1:2 & testing with water etc., complete., | | | | | | |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Qty vide page no. 496739 → 239.0 | | | | | | |
| | Qty upto 125% → 193.75 → | | 95.0 → | | | | 18406.25 |
| | Qty above 125% → 55.25 → | | 95.0 → | | | | 5248.75 |
| | Item No 06:- Supplying lowering laying, jointing, testing & commissioning of following diameters glazed stone ware pipes with latest amendments, of sizes including conveying to work and caulking with hemp diped in tar and jointing with CM 1:1.5 using ordinary port land cement confiorming, perfect linking and curing for 10days and testing with water, with all leads and lifts., technical specifications. | | | | | | |

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Num 3 |
|---|---|---|
| | Qty vide page no. 4967 | |
| | Qty upto 125% → 193.7 | |
| | Qty above 125% → 50 | |
| | Item. No. 10:- Refilling pipelin available earth from tr watering, consolidation off the surplus earth wo | |

T BOOK

| nsions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| 9.0 | | | |
| → | | | 18406.25 |
| → | | | 5248.75 |
| forming, testing & | | | |
| es glazed stone ware pipes | | | |
| cluding conveying to work | | | |
| n lar and jointing with | | | |
| d cement conforming, perfect | | | |
| testing with water, with all | | | |
| ons. | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496745

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Qty vide page no. 496740 → 244.0m | | | | | | |
| | Qty upto 125% → 193.75 @ 419.00 → | | | | | | 81181.25 |
| | Qty above 125% → 50.25 @ 419.00 → | | | | | | 21054.75 |
| | Item. No. 10:- Refilling pipeline and foundation with selected trenches available earth from trench excavation and foundation including 5 watering, consolidation in layers of 15cms. thickness including disposing off the surplus earth with all leads & lifts. | | | | | | |

Item (13)

# MEASUREMENT BOOK

| Date 1 | Description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|------|---|---|---|---|---|---|
| | Qty vide page no. 496740 → | | 297.23 (cum) | | | | |
| | Qty upto 125% → | 181.19 @ | 54.70 → | | 9911.09 | | |
| | Qty above 125% → | 116.04 @ | 54.70 → | | 6347.39 5624.00 | | |
| | Item No.13:- Providing and constructing 'Lime cut bricks manhole chambers' using sulphate resistant cement, conical in shape at top with CC 1:3:6 foundation using 40mm & down size graded metal of approved quality. | | | | | | |
| | Qty vide page no. 496740 → | | | 10 nos | | | |
| | At the rate of Rs. 13851.0 → | | | | | | 138510.00 |

987.00

M. A. R.
Measu

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Number 3 | L |
|---|---|---|---|
| | Item No.15:- Hire charges for 2 HP leaking pits inclusive of hire | | |
| | Qty vide page no. 496740 | | |
| | At the rate of Rs. | 1146.0 | |
| | Item No.07:- Providing house soils without damaging the othe 25mm OD MDPE manufactured strength of 8Mpa, hydraulic | | |

OK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| 9911.09 | | |
| 6347.39 5624.00 | | |
| ize cut brick manhole | | |
| ement, conical in shape | | |
| g 40mm & down size | | |
| nes | | 138510.00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496746

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item No 15.- Hire charges for 2HP dewatering pump to bail out water at leaking pits inclusive of hire charges etc., Qty vide page no. 496740 → 10days At the rate of Rs. 1146.0 → | | | | | | 11460.00 |
| | Item No.07.- Providing house connection with excavation in all types of soils without damaging the other utilities and supplying and laying 25mm OD MDPE manufactured in accordance with minimum required strength of 8Mpa, hydraulic design stress., | | | | | | |

Item (12)

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Qty vide page no. 496741 → 140 nos | | | | | | |
| | At the rate of Rs. 3140.00 → | | | | | | 439600.00 |
| | Item No. 12:- Dismantling the damaged or collapsed manhole of 4" dia conical in shape and reconstructing the same with machine made wire 6 bricks in CM (1:4) as per design & specification of new cut manhole 4" dia with old frame & cover excluding bed concrete. | | | | | | |
| | Qty vide page no. 496741 → 28 nos | | | | | | |
| | At the rate of Rs. 6489.00 → | | | | | | 181692.00 |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 |
|---|---|
| | Item No. 08:- construction graded crushed stone mixing in a mechanical work site, spreading in |
| | Qty vide page |
| | At the rate of |

MENT BOOK

| Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|
| Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| → 140nos | | | | 439600.00 |
| → | | | | |
| ged or collapsed manhole of | | | | |
| reconstructing the same with | | | | |
| in CM (1:4) as per design & | | | | |
| hole 4" dia with old frames & | | | | |
| te. | | | | |
| → 28 nos | | | | |
| 9.00 → | | | | 181692.00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496747

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item No.08:- construction of granular sub-base by providing close graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers., | | | | | | |
| | Qty vide page no. 496742 → | | | 33.62 cum | | | |
| | At the rate of Rs. upto 125% | | | 26.16 @ 1385.0 → | | | 36231.60 |
| | above 125% | | | 7.45 @ 1385.0 → | | | 10318.25 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item.No.09:- Providing laying, spreading and compacting crushed stone aggregates of granite trap/ basalt to wet mix maladam specifications including pre-mixing the material with water at OMC in mechanical mix plant carriage of 4 mixed method of tipper to site, laying in uniform layers with paver in sub-base course well prepared surface., | | | | | | |
| | Anganawadi - amrutha - lli | 01 | 85.0 | 0.90 | 0.20 | = 15.30 | |
| | | 01 | 55.0 | 0.90 | 0.20 | = 9.90 | |
| | Amrithahalli gramalana | 01 | 54.0 | 0.90 | 0.20 | = 9.72 | |
| | Kempapura gramalana | 01 | 50.0 | 0.90 | 0.20 | = 9.00 | |
| | | | | | | 43.92 cum | |

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Num 3 |
|---|---|---|
| | Dismantled qty → | 01 01 |
| | Deduct MH qty → (-) | 10 |
| | Qty upto 125% → | 34.88 |
| | Qty above 125% → | 9.95 |

BOOK

| ons | | Contents | Reference to last Measurement |
|---|---|---|---|
| readth 5 | Depth 6 | 7 | 8 |
| | | and compacting crushed | |
| | | basalt to wet mix | |
| | | pre-mixing the material | |
| | | plant carriage of 4 | |
| | | g in uniform layers with | |
| | | rd surface., | |
| ·90 | 0·20 | = 15·30 | |
| ·90 | 0·20 | = 9·90 | |
| ·90 | 0·20 | = 9·72 | |
| ·90 | 0·20 | = 9·00 | |
| | | 43·92 cum | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496748

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Dismantled qty → | 01 | 25·0 | 0·90 | 0·20 | = 4·50 | |
| | | 01 | 25·0 | 0·90 | 0·20 | = 4·50 | |
| | Deduct MH qty → (−) | 10 | 1·50 | 0·90 | 0·20 | = 2·70 | 50·22 |
| | | | | | Ltd to → | 44·82 | |
| | Qty upto 125% → 34·88 @ 1471·0 → | | | | | | 51308·48 |
| | Qty above 125% → 9·95 @ 1471·0 → | | | | | | 14636·45 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| Item. No. 14:- | Disposing off the excess excavated earth of all type upto a distance mentioned every km beyond 5 km., | | | | | | |
| | Qty vide item. no (2) → | 53.73 | | | | | |
| | MH. | 0.785 | 0.30 | 0.3 | 419 | = 29.60 | |
| | over burden earth → | 8.50 | 1.0 | 2.0 | 1.0 | = 17.00 | |
| | | | | | | 100.99 cum | |
| | Qty upto 125% → 86.21 @ 130.0 → | | | | | | 11207.30 |
| | Qty above 125% → 14.78 @ 130.0 → | | | | | | 1921.40 |
| | | | | | Total = | 1263390.56 | |

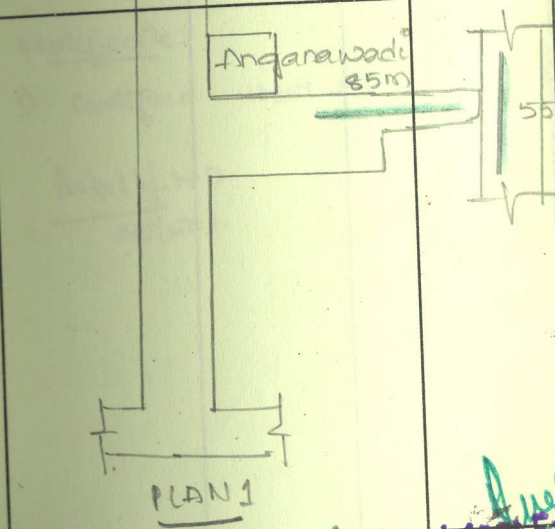
Verified
C&S.C
Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Arthy. N.D
AE(W4) 01/10/19

M. A. R
Meas

Serial No. .....
Name of Work ..... From....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Number 3 |
|---|---|---|




Amruthahalli

Assistant E
Kodigeha

OOK

| dth | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| d | earth of all type | | |
| eyond 5 Km., | | | |
| 3 | 419 | = 29.60 | |
| .0 | 1.0 | = 17.00 | |
| | | 100.99 cum | |
| | | | 11207.30 |
| | | | 1921.40 |
| otal | | 1263390.56 | |

01/10/19

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B**

496743

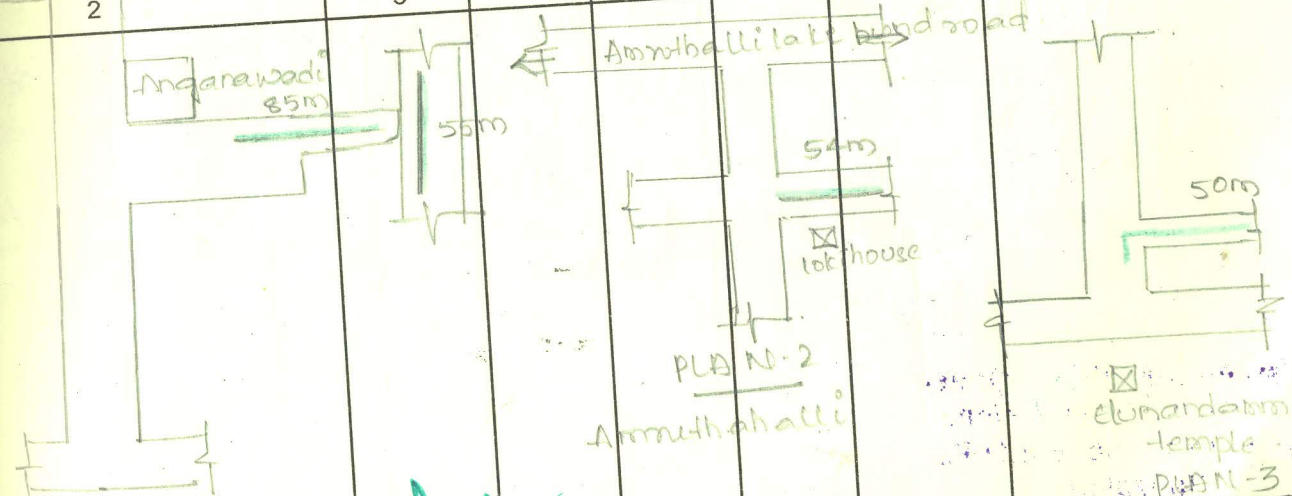
Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|




Assistant Executive Engineer
Kodigehalli Sub Division

- UGD line.

# MEASUREMENT BOOK

Royalty-charges:-

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | coarse | | fine | | | |
| Sl.NO | Details | co-eff | qty | co-eff | qty. | | |
| 08 | GSB - 33.64 cum | | | | | | |
| 09. | WMM - 44.83 cum. | | | | | | |
| | Total= | | | | | | |
| | Abstract:- | | | | | | |
| 1) | coarse-aggregate: | | | | | | |
| 2) | fine-aggregate: | | | | | | |

M. A

M

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date | Full description, etc, of work | Numbe |
|---|---|---|
| 1 | 2 | 3 |
| | Certificate: | |
| | 1). Certified that the contra | |
| | Actually N.D | |
| | AE(WR). | |

T BOOK

| ...sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| time. | | | |
| co-eff | qty. | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B** 496750

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | certificate: 1). Certified that the contractor has done the work satisfactorily. Ashok N.D AE(W2). | | | | | | |

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Item (12)

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| 1st and Final | | | | | | | |
| | P.1771 ರಡಿ | BA. | 1412000-00 | | | | |
| | ಕ್ಕೆಶೀರ್ಷಿಕೆ | FSD | 70000-00 | | | | |
| | ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 1412000 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ. | LT | 14200-00 | | | | |
| | ಇದರಲ್ಲಿ ರೂ. 134634-00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ | CLT | 12607-00 | | | | |
| | ಮಾಡಿಕೊಂಡು ರೂ. 1277366-00 ಗಳನ್ನು | CLT | 12607-00 | | | | |
| | | CST | 1420-00 | | | | |
| | | LWT | 14200-00 | | | | |
| | | Hire | 900-00 | | | | |
| | | LR | 8100-00 | | | | |
| | | TD | 134634-00 | | | | |
| | | Net | 1277366-00 | | | | |

FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧಿಕಾರಿ 15/10 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ನಿರ್ವಾಹಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು

M. A
Me

Premeasurements:-

Serial No. first / final bill:-

Name of Work Improvements to roads From

Name of Contractor of nature of Agency byatar

Date of commencement of work ↳ M/s. Nisch

| Date 1 | Full description, etc, of work 2 | Number 3 |
|---|---|---|
| | Est cost:- | 15.00 |
| | Job code:- | 007-1 |
| | Head of account:- | P1771 |
| | A.S. NO:- | AS/CE/ |
| | T.S. NO:- | TS/EE |
| | Agr no:- | NO. EE |
| | Work order:- | NO. B |
| | Approved tender price:- | 1392 |